INDEX TO VOLUME XIX

Adler, J. See Zaturska, M. B.

Aggarwala, B. D. Bending of Rhombic Plates 79

Bendor, E. Free Molecular Expansion of Initially Moving Gases into Vacuum 497

Burman, R. Transverse Propagation of Electromagnetic Waves in a Cylindrically Stratified Axially Magnetized Plasma . . . 247

Buxton, G. H. L. See Woods, L. C.

Cameron, N. The Numerical Solution of the Singular Integral Equation for Diffraction by a Soft Strip 93

Chambers, Ll. G. A Variational Formulation of the Thwaites Sail Equation 221

Cochran, J. A. The Asymptotic Nature of Zeros of Cross-Product Bessel Functions 511

Collins, W. D. One-Dimensional Non-Linear Wave Propagation in Incompressible Elastic Materials 259

Conway, H. D. and Pao, Y. C. The Deformation of a Non-Uniform Plate into a Nearly Conical Shape 131

Crank, J. and Parker, I. B. Approximate Methods for Two-Dimensional Problems in Heat Flow 167

Deirmendjian, Astrik. See Downs, Angela M. . . . .

Downs, Angela M., Hewson-Browne, R. C., Deirmendjian Astrik and Kendall, P. C. On the Magnetohydrostatic Cavity Formed Round a System of Line Currents in an Infinitely Conducting Atmosphere: A two-dimensional configuration 27

Dunn, H. Searl. Transient Solution of a One-Dimensional Thermo-elastic Wave Propagation Problem 157

Ericksen, J. L. Instability in Couette Flow of Anisotropic Fluids 455

Fox, N. A Continuum Theory of Dislocations for Polar Elastic Materials 343

Gaydon, F. A. The Clamped, Thin, Rectangular Plate Under Transverse Loading 65

Hayes, M. On the Displacement Boundary-Value Problem in Linear Elastostatics 151

Hewson-Browne, R. C. See Downs, Angela M.

Howard, I. C. Finite Simple Waves in a Compressible Transversely Isotropic Elastic Solid 329

Kelly, R. E. Streaming Effects Associated with Doubly Oscillating Cylinders 473

Kendall, P. C. See Downs, Angela M.

LESLIE, F. M. Some Constitutive Equations for Anisotropic Fluids 357
LEVINE, HAROLD. Reflection and Transmission by Layered Periodic Structures 107
LONG, R. R. See PAO, H. P.
LOW, R. D. On the Torsion of an Elastic Cone as a Mixed Boundary-Value Problem 57
MACDONALD, D. A. The Rayleigh Problem for a Two-Layer Fluid 197
MATHUR, S. C. See SNEDDON, I. N.
MEI, C. C. Radiation and Scattering of Transient Gravity Waves by Vertical Plates 417
MORLEY, L. S. D. Some Variational Principles in Plate Bending Problems 371
PAO, H. P. and LONG, R. R. Magnetohydrodynamic Jet-Vortex in a Viscous Conducting Fluid 1
PAO, Y. C. See CONWAY, H. D.
PARKER, I. B. See CRANK, J.
PAYTON, ROBERT G. Elastic Wave Propagation in a Non-Homogeneous Rod 83
RILEY, N. On a Sphere Oscillating in a Viscous Fluid . . 461
SHAIL, R. and TOWNEND, M. S. On the Slow Rotation of an Oblate Spheroid in a Bounded Viscous Fluid 441
SNEDDON, I. N., SRIVASTAV, R. P. and MATHUR, S. C. The Reissner-Sagoci Problem for a Long Cylinder of Finite Radius 123
SOKOLOVSKII, V. V. Dilatant Flow in Cylindrical and Prismatic Tubes 41
SRIVASTAV, R. P. See SNEDDON, I. N.
STUART, J. T. A Simple Corner Flow with Suction . . . 217
THOMAS, D. P. Diffraction by a Masked Aperture 233
TING, T. C. T. On Deformations of Elastic Columns Near the Buckling Load 403
TOWNEND, M. S. See SHAIL, R.
WALLIS, R. L. A Moment Theory for Thin, Spherical Elastic Shells under Axi-Symmetric Loading 141
WILLIAMS, W. E. A Note on Slow Vibrations in an Elastic Medium 413
WOODS, L. C. and BUXTON, G. H. L. The Theory of a Cascade of Cavitating Hydrofoils 387
WU, TING-SHU. Bounds in Melting Slabs with Several Transformation Temperatures 183
ZATURSKA, M. B. and ADLER, J. Flame Ignition from a Spherical Hot Gas Pocket 485